



TOP SECRET

I  
MAGERY  
A  
NALYSIS  
D  
IVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

[REDACTED]  
CHINESE POWER PLANTS

CHEKIANG PROVINCE

Declass Review by NIMA/DOD

[REDACTED]

25X

CIA/PIR 65140

[REDACTED]

25X

DATE MAY 1966

COPY

PAGES 18

GROUP 1  
Excluded from automatic  
downgrading and declassification

TOP SECRET

25X1

Approved For Release 2003/05/05 : CIA-RDP78T05161A000700010003-9

Approved For Release 2003/05/05 : CIA-RDP78T05161A000700010003-9



TOP SECRET

25X

CIA IMAGERY ANALYSIS DIVISION

## CHINESE POWER PLANTS

### CHEKIANG PROVINCE

- (A) Chiang-shan Hydro Power Plant (Wu-chi)
- (B) Chu-hsien Hydro Power Plant (Haung-tan-kou)
- (C) Hang-chou Thermal Power Plant (Cha-kou)
- (D) Hsin-an Chiang Hydro Power Plant
- (E) Tung-hu Hydro Power Plant (Chi-li-lung)

### REQUIREMENT

C-RR5-83,218

CIA/IAD PROJECT

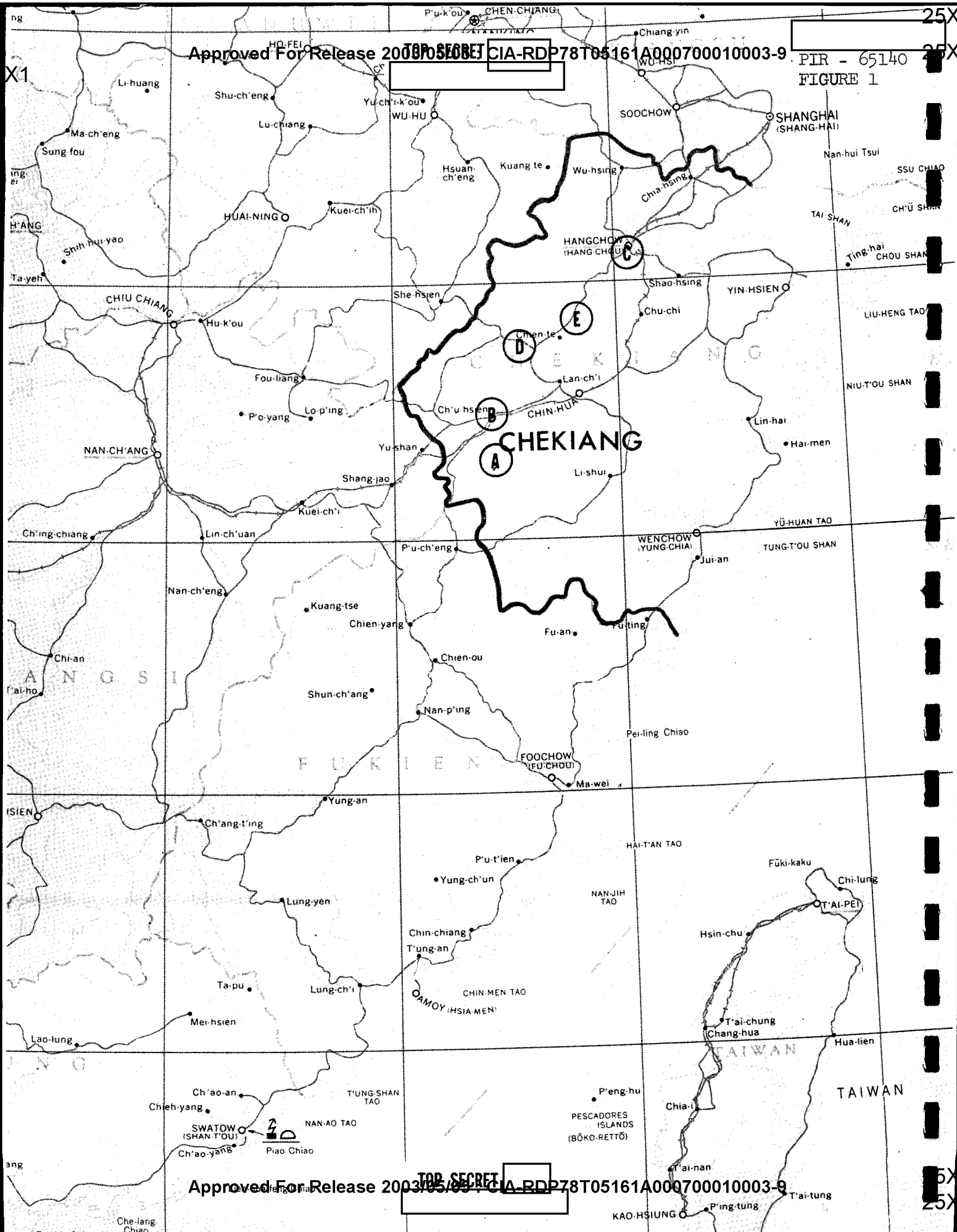
30647-6

TOP SECRET

25X

TOP SECRET

PIR - 65140  
FIGURE 1



TOP SECRET

TABS

A

~~TOP SECRET~~

PIR - 65140

CIA IMAGERY ANALYSIS DIVISION

CHIANG-SHAN HYDRO POWER PLANT (WU-CHI)

NPIC NUMBER - 8-C

The Chiang-shan Hydro Power Plant site is located on the Wu-chi Chiang (River) 4.6 nm northwest of Yang-kou-shih at coordinates 28 41 30N - 118 50 00E. Construction of this facility was begun prior to [REDACTED] and there has been no evidence of progress since that time.

Several concrete structures, possibly intended for a system of locks, and an extensive amount of scarring marks the construction site.

~~TOP SECRET~~



TOP SECRET

PIR - 65140  
FIGURE 2

CHIANG-SHAN HYDRO POWER PLANT (WU-CHI)



TOP SECRET

**B**

TOP SECRET

PIR - 65140

CIA IMAGERY ANALYSIS DIVISION

CHU HSIEN HYDRO POWER PLANT (HAUNG-TAN-KOU)

NPIC NUMBER - 75

The Chu-hsien Hydro Power Plant is located 7.9 nm south of Chu-hsien Airfield on the east bank of the Wu-chi Chiang (River) at coordinates 28 49 40N - 118 53 35E. The facility consists of a gravity, buttressed-type concrete dam, a separated generator hall which contains five pairs of tailwater outlets, two transformers, a sub-station, and a buried surge tank.

There has been no new construction at this facility  
when last observed.

TOP SECRET

TOP SECRET

PIR - 65140  
FIGURE 3

CHU-HSIEN HYDRO POWER PLANT (HUANG-TAN-KOU)



TOP SECRET

TOP SECRET

PIR - 65140

25X

CIA IMAGERY ANALYSIS DIVISION

CHU-HSIEN HYDRO POWER PLANT (HUANG-TAN-KOU)

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	No turbulence observed.
	None	No turbulence observed.
	None	Moderate turbulence in one area.
	None	Moderate turbulence in three areas.
	None	No turbulence observed.

TOP SECRET

25X

Approved For Release 2003/05/05 : CIA-RDP78T05161A000700010003-9

C

Approved For Release 2003/05/05 : CIA-RDP78T05161A000700010003-9

TOP SECRET

PIR - 65140

CIA IMAGERY ANALYSIS DIVISION

## HANG-CHOU THERMAL POWER PLANT (CHA-KOU)

NPIC NUMBER - 16-MI

The Hang-chou Thermal Power Plant (Cha-kou) is located in the southwest section of Hang-chou on the Fu-chun Chiang (River) at 30 12 25N - 120 09 00E. The facility is rail-served, coal-operated and includes a large semi-buried oil storage tank, water pumphouse, and several large storage buildings.

The powerhouse is a combination boilerhouse-generator hall with an integrated control house. The heterogeneous construction and the lack of good large scale photography made a detailed analysis impossible. The powerhouse is equipped with at least four metal stacks located on the roof. No power cables were visible, and no sub-station could be detected on present photographic coverage.

There has been no apparent new construction during the period from

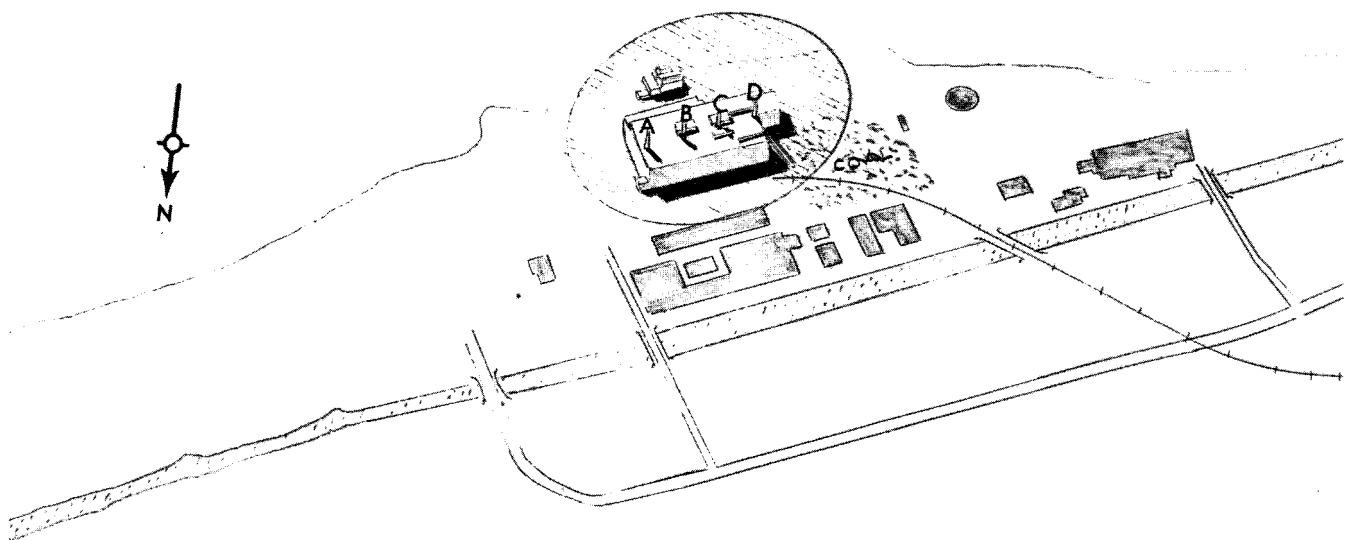
TOP SECRET

TOP SECRET

PIR - 65140  
FIGURE 4

X1

HANG-CHOU THERMAL POWER PLANT



TOP SECRET

X1



TOP SECRET

PIR - 65140

CIA IMAGERY ANALYSIS DIVISION

## HANG-CHOU THERMAL POWER PLANT (CHA-KOU)

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Poor quality photography precludes analysis.
	None	Moderate smoke from stack A. Light smoke from stack C. Possible very light smoke from stacks B and D.
	None	Heavy smoke from stacks A and B.
		Unknown - the facility is obscured by clouds.
	None	Heavy smoke from stack A. Moderate smoke from stack C with possible smoke from stack B.

TOP SECRET

TOP SECRET

PIR - 65140

CIA IMAGERY ANALYSIS DIVISION

HANG-CHOU THERMAL POWER PLANT (CHA-KOU)

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Heavy smoke from stacks A and possibly B. Moderate smoke from stack C.
	None	Heavy smoke from stack A. Moderate smoke from stack B.
	None	Heavy smoke from stacks A and B. Light smoke from stacks C and D.
	None	Heavy smoke from stack B. Moderate smoke from stacks A, C, and D.

TOP SECRET

Approved For Release 2003/05/05 : CIA-RDP78T05161A000700010003-9

D

Approved For Release 2003/05/05 : CIA-RDP78T05161A000700010003-9

TOP SECRET

PIR - 65140

CIA IMAGERY ANALYSIS DIVISION

HSIN-AN CHIANG HYDRO POWER PLANT

NPIC NUMBER - 30

The Hsin-an Chiang Hydro Power Plant is located in a reservoir formed by the An-chiang (River) at coordinates 29 29 25N - 119 13 01E. The facility consists of a consolidated gravity concrete dam and powerhouse with nine penstock intakes, nine pairs of tailwater outlets, two mobile cranes for gate control, and a large sub-station. A second sub-station is situated atop the dam and contains at least eight transformers. Power lines lead south to Lan-chi and east toward Shang-hai.

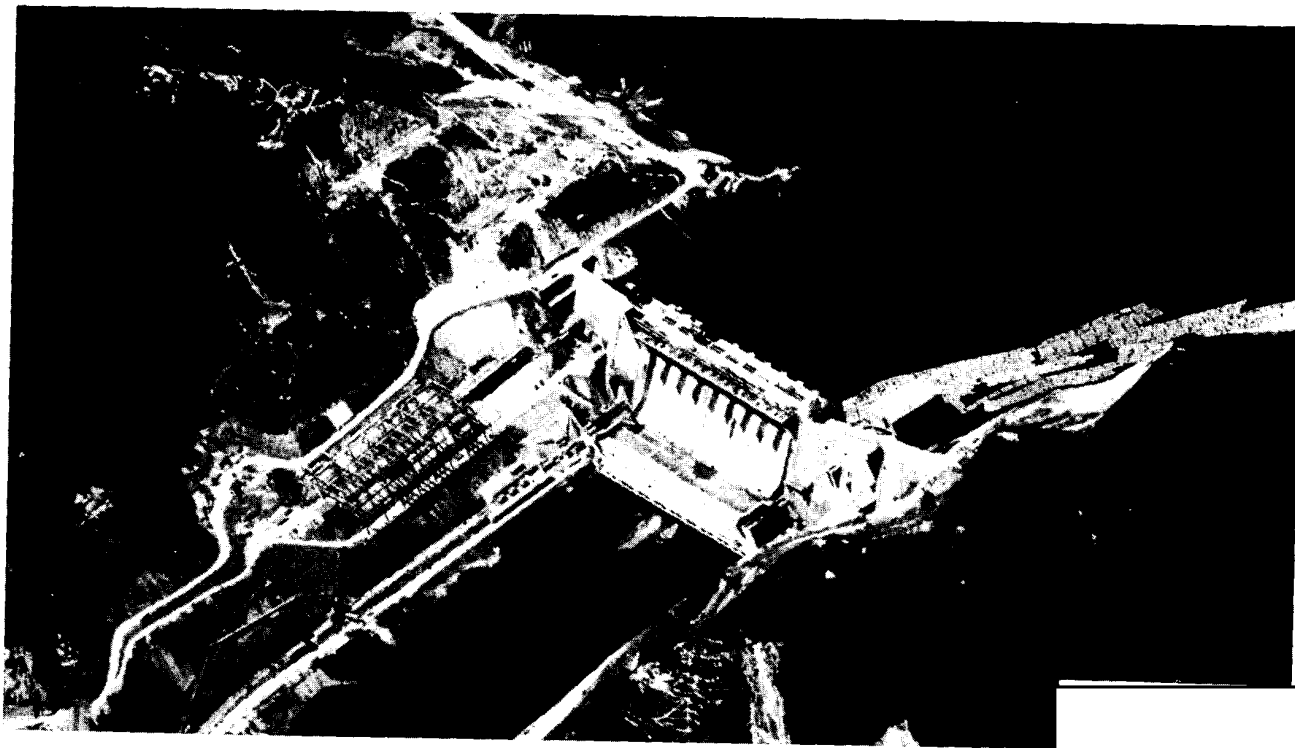
No new construction was evident during the period from 1963 through 1965.

TOP SECRET

TOP SECRET

FIG - 65140  
FIGURE 5

HSIN-AN CHIANG HYDRO POWER PLANT



TOP SECRET

TOP SECRET

PIR - 65140

CIA IMAGERY ANALYSIS DIVISION

HSIN-AN CHIANG HYDRO POWER PLANT

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Light turbulence from two areas.
	None	Light turbulence from one area.
	None	Heavy turbulence from one area. Light turbulence from one area.
	None	Moderate turbulence from three areas. Slight turbulence from one area.
	None	Poor quality coverage; no turbulence observed.

TOP SECRET

TOP SECRET

PIR - 65140

25X1

CIA IMAGERY ANALYSIS DIVISION

HSIN-AN CHIANG HYDRO POWER PLANT

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Heavy turbulence from one area. Light turbulence from one or possibly two areas.
	None	Heavy turbulence from one area. Moderate turbulence from one area. Light turbulence from one area.

TOP SECRET

25X1

E



TOP SECRET

PIR - 05140

25X

CIA IMAGERY ANALYSIS DIVISION

## TUNG-LU HYDRO POWER PLANT (CHI-LI-LUNG)

NPIC NUMBER - 73

25X

The Tung-lu Hydro Power Plant is located 5.4 nm south of Tung-lu on the Fu-chun Chiang (River) at coordinates 29 43 10N - 119 38 40E and is still incomplete. Construction was begun prior to [REDACTED] and has progressed only slightly since that time. The generator hall and that portion of the dam contiguous to it is approximately two-thirds completed; housing for at least three generator units has been erected and there is apparently space for three more units. Construction on the remainder of the dam has not begun.

25X

A negligible amount of work on the roof of one generator unit occurred during the period from [REDACTED] No further construction was evident through [REDACTED]

25X  
25X

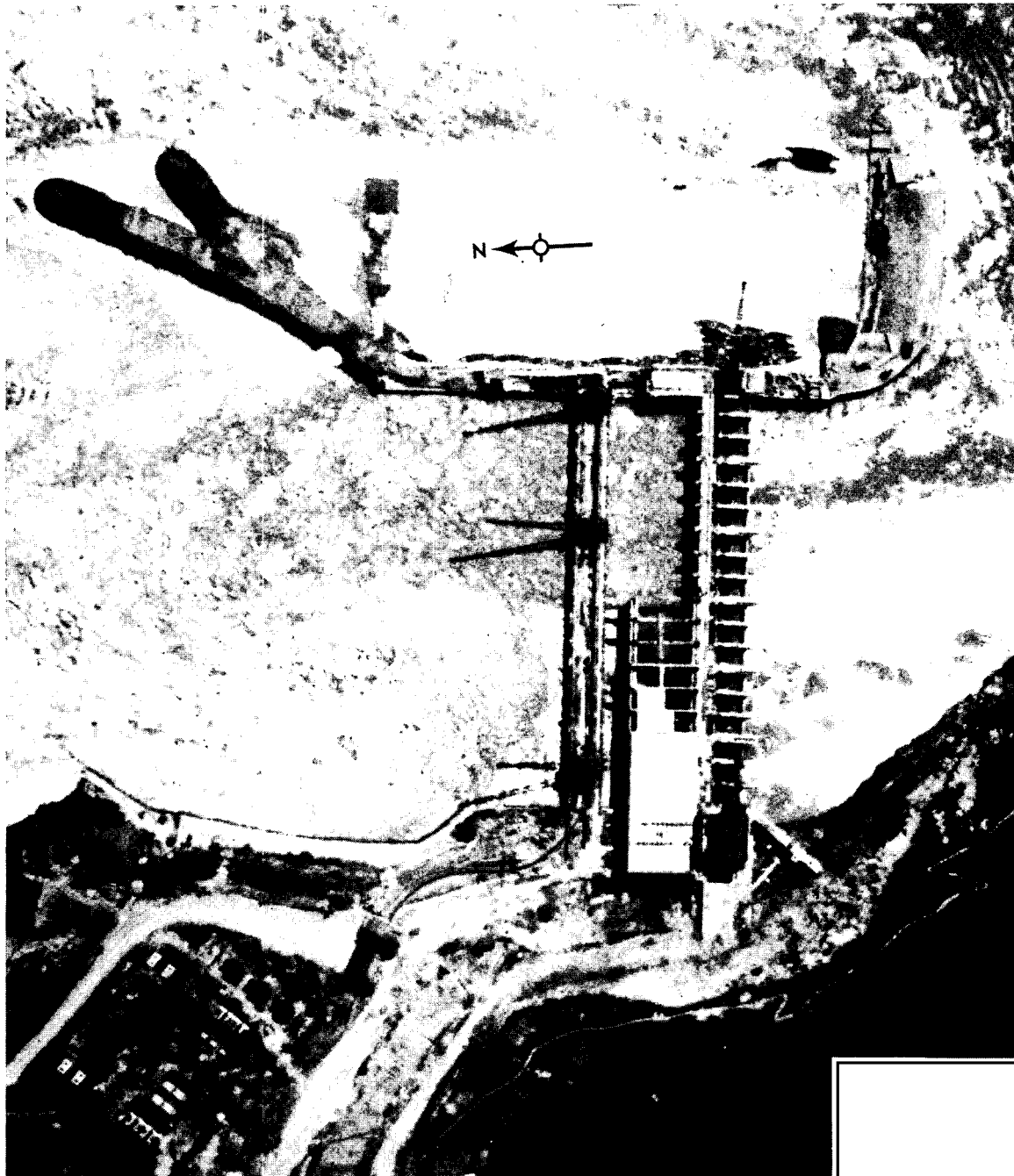
TOP SECRET

25X

TOP SECRET

PIR - 65140  
FIGURE 6

TUNG-LU HYDRO POWER PLANT (CHI-LI-LUNG)



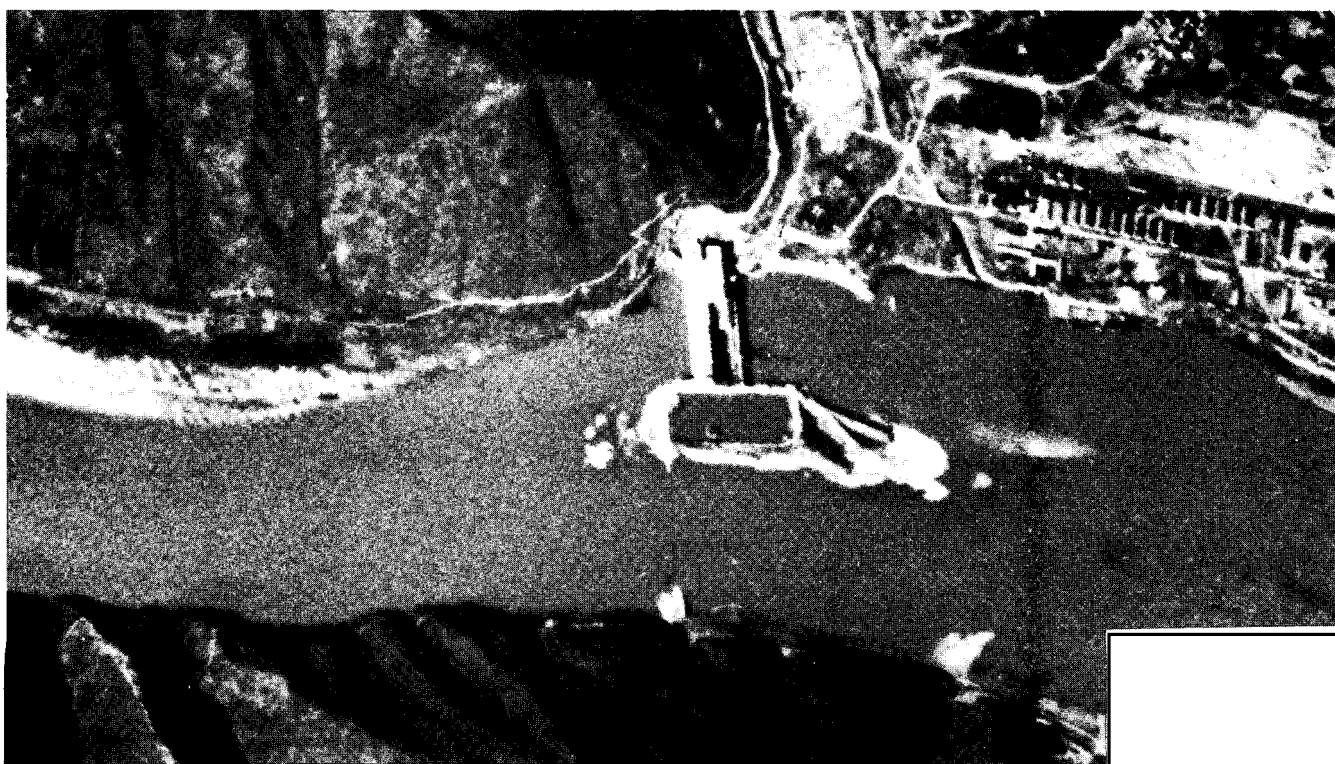
TOP SECRET

TOP SECRET

PIR - 65140

FIGURE 7

TUNG-LU HYDRO POWER PLANT (CHI-LI-LUNG)



TOP SECRET

**TOP SECRET**

**TOP SECRET**